Portable MP3-CD player

Audio

EXP ***301***
EXP ***303***

Let's make things better.

PHILIPS

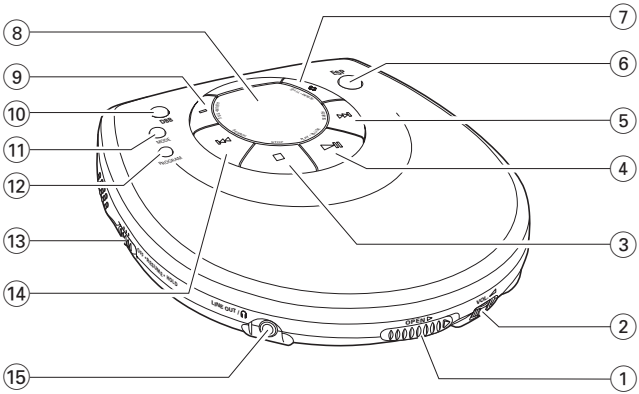
México

NOM-135-NYCE

Es necesario que lea cuidadosamente su instructivo de manejo.

Descripción:	**Reproductor portátil de CD en formato MP3**
Modelo:	**EXP 301/01, EXP 303/01**
Alimentación:	**110–127 V/220–240 V, 50–60 Hz; 4,5 V_{cc}**
Consumo:	**4 W**
Importador:	**Philips Mexicana, S.A. de C.V**.
Domicilio:	**Norte 45, # 669, Col. Industrial Vallejo**
Localidad y Tel.:	**C.P. 02300 México D.F., Tel. 5728 4200**
Exportador:	**Philips Electronics HK Ltd.**
País de Origen:	**China**
N° de Serie:	_____

LEA CUIDADOSAMENTE ESTE INSTRUCTIVO ANTES DE USAR SU APARATO.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MODE
PROGRAM
LINE OUT /
OPEN
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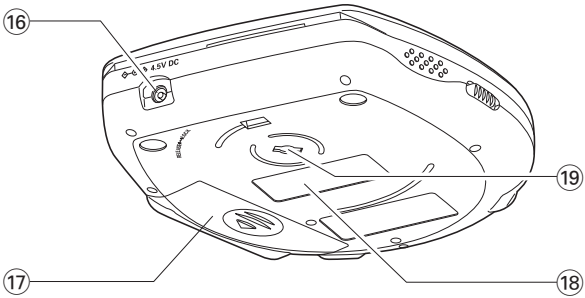
MIN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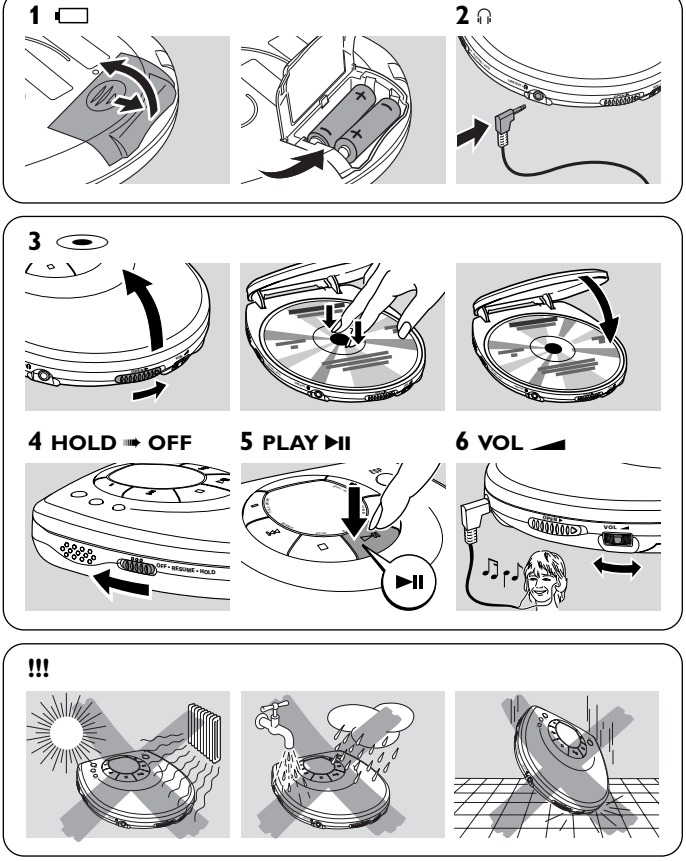


This set complies with the radio interference requirements of the European Community.

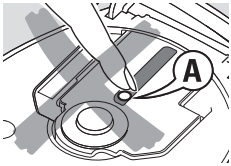
Controls, refer to the illustrations on page 3

① OPEN ▶
opens the CD lid
② VOL ◢
adjusts the volume
③ ■
stops playback, clears a programme and switches the set off
④ ▶II
switches the set on, starts playback and interrupts playback
⑤ ▶▶|
skips forward and searches forward
⑥ ESP
Electronic **S**kip **P**rotection
prevents music interruptions caused by shocks or vibrations
⑦ +
MP3-CD only: selects the next album or skips forward
⑧ display
⑨ –
MP3-CD only: selects the previous album or skips backward
⑩ DBB
Dynamical **B**ass **B**oost, selects the bass enhancement
⑪ MODE
selects the different playing possibilities such as **SHUFFLE** or **REPEAT**
⑫ PROGRAM
programs tracks and lets you review the programme
⑬ OFF · RESUME · HOLD
OFF switches RESUME and HOLD off
RESUME stores the last position played
HOLD locks all buttons
⑭ |◀◀
skips backward and searches backward
⑮ LINE OUT/🎧
3.5 mm line out to connect
– the headphones
– this set to the audio input of your stereo equipment
⑯ 4.5V DC
to connect the external power supply
⑰ battery compartment
⑱ type plate
⑲ belt clip hole

CAUTION

Use of controls or adjustments or performance of procedures other than herein may result in hazardous radiation exposure or other unsafe operation.

Maintenance



Do not touch the lens Ⓐ of the set.

Do not expose the set, batteries or discs to humidity, rain, sand or excessive heat (caused by heating equipment or direct sunlight).

The lens may cloud over when the set is suddenly moved from cold to warm surroundings. Playing is not possible then. Leave the set in a warm environment until the moisture evaporates.

Active mobile phones in the vicinity of this set may cause malfunctions.

Avoid dropping the set as this may cause damage.

Clean the set with a soft, slightly dampened lint-free cloth. Do not use any cleaning agents as they may have a corrosive effect.

To clean a disc, wipe it in a straight line from the centre towards the edge using a soft, lint-free cloth. Cleaning agents may damage the disc.

Environmental information

All redundant packing material has been omitted. We have done our utmost to make the packaging easily separable into three mono materials: cardboard (box), polystyrene foam (buffer) and polyethylene (bags, protective foam sheet).

Your set consists of materials which can be recycled if disassembled by a specialized company. Please observe the local regulations regarding the disposal of packing materials, exhausted batteries and old equipment.

General information

MP3 and AAC music files

The music compression technologies MP3 (MPEG Audio Layer 3) and AAC (Advanced Audio Coding) reduce the digital data of an audio CD significantly while maintaining CD-like sound quality. With MP3, for example, you can record up to 10 hours of CD-like music on a single CD-ROM. This set plays MP3 and AAC music files.

How to get music files

Either download legal music files from the internet to your computer harddisc or create them from your own audio CDs. For this, insert an audio CD into your computer´s CD-ROM drive and convert the music using an appropriate encoder software. To achieve a good sound quality, a bit rate of 128 kbps or higher is recommended for MP3 music files.

Some encoder software offers an option to protect music files, i. e. the files can only be played on the computer which created them. If you burn such files on a CD-ROM, you cannot play them on this set. Make sure to deactivate the protection option in the encoder software before creating the music files. In this case you are responsible for adherence to all local or international copyrights.

How to organize music files

In order to easily handle the large number of music files on a CD-ROM, you can organize them in folders (“albums”).

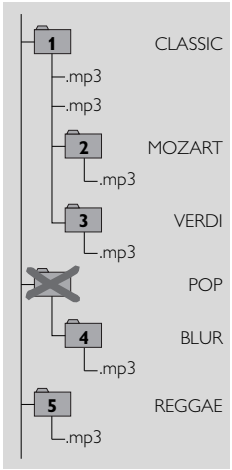
The tracks of an album will be played in alphabetical order. If you want to arrange them in a certain order, let the file names start with numbers.
For example:
001-ONEWORLD.MP3
002-FIRESTARTER.MP3
003-DEEP.MP3

This set will play all albums in alphabetical order. An album name includes all folders in which the album is located, e. g. the album VERDI in CLASSIC has the album name CLASSIC\VERDI.
The albums in the illustration will be played in the following way:

	ALBUM
CLASSIC	1
CLASSIC\MOZART	2
CLASSIC\VERDI	3
POP\BLUR	4
REGGAE	5

In POP there are no MP3 or AAC files. POP is therefore skipped.

There may be an album 🎵 which will be played before all other albums. Album 🎵 contains all tracks which you did not put into an album.



How to make a CD-ROM with MP3 or AAC files
Record ("burn") the music files from your harddisc on a CD-ROM with your computer´s CD burner.

Make sure that the file names of the MP3 and AAC files end with .mp3 and .aac respectively.

When burning your MP3-CDs, use either ISO 9660 disc format or UDF. CD burning software like "DirectCD" or others support the UDF format.

General information

Supported formats

This set supports:

– Disc format: ISO 9660, Joliet, Multisession, UDF, Enhanced Music CD, Mixed Mode CD
– Music file formats: MP3, AAC
MP3 bit rate (data rate): 32–320 kbps and variable bit rate
AAC format: ISO 13818-7 MPEG-2 (low complexity profile), stereo, ADTS and ADIF header, AAC bit rate ≤ 160 kbps
– Total number of music files and albums: around 350 (with a typical file name length of 20 characters)

Note: The number of music files that can be played depends on the length of the file names. With short file names more files will be supported.

Visit the eXpanium homepage

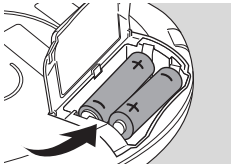
http://www.expanium.philips.com

All trademarks used are owned by their respective owners.

Batteries (not supplied)

Inserting batteries

Open the battery compartment and insert 2 alkaline batteries of type **AA** (**LR6**, **UM3**).

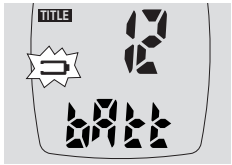


Do not use old and new or different types of batteries in combination.

Remove batteries if they are empty or if the set will not be used for a long time.

Indication of empty batteries

- Replace the batteries or connect the mains adapter as soon as blinks and bAtt is displayed.



Batteries contain chemical substances, so they should be disposed of properly.

Average battery lifetime of 2 alkaline batteries of type AA (LR6, UM3):

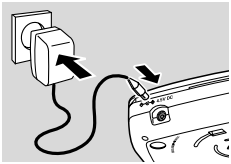
Playback of	Audio disc	MP3-CD
ESP off	20 hours	20 hours
ESP on	20 hours	13 hours

Note: 20 seconds after pressing ■, the display switches off. After 90 seconds the set switches off automatically.

Power supply/Headphones

Mains adapter

Only use the AY 3170 mains adapter (4.5 V/300 mA direct current, positive pole to the centre pin). Any other product may damage the set.

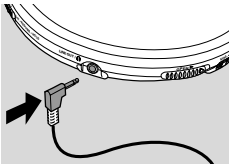


1 Make sure the local voltage corresponds to the adapter´s voltage. If your mains adapter is equipped with a voltage selector, set this selector to the local mains voltage if necessary.

2 Connect the mains adapter to 4.5V DC on the set and to the wall socket.

Note: Always disconnect the adapter if you are not using it.

Headphones (SBC HE 545)



- Connect the supplied headphones to LINE OUT/🎧.

Note: LINE OUT/🎧 *can also be used for connecting this set to your HiFi system. Set* VOL ▬ *on this set to position 8 and adjust volume and sound with your HiFi system.*

Use your head when using headphones

Hearing safety

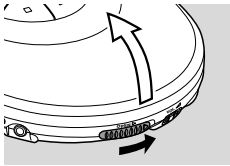
Do not play your headphones at a high volume. Hearing experts advise that continuous use at high volume can permanently damage your hearing.

Traffic safety

Do not use headphones while driving a vehicle. It may create a hazard and it is illegal in many countries. Even if your headphones are an open-air type designed to let you hear outside sounds, do not turn up the volume so high that you cannot hear what is going on around you.

Playing a disc

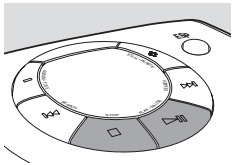
With this set you can play
- all pre-recorded audio CDs
- all finalized audio CDR(W)s
- MP3-CDs (CD-ROMs with MP3 or AAC files)



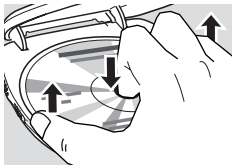
1 Push the OPEN▶ slider to open the CD lid.

2 Insert a disc, printed side up, by pressing gently on the disc´s centre so that it fits onto the hub. Close the lid by pressing it down.

3 Press ▶II to start playback.
→ CD READ is displayed. Playback starts.
Audio disc: The current track number and the elapsed playing time are displayed.
MP3-CD: **MP3** or **AAC** is shown. The current album number, track number and the elapsed playing time are displayed.



4 Press ■ to stop playback.
→ **Audio disc:** The total number of tracks and the total playing time of the disc are displayed.
MP3-CD: The total number of albums and tracks are displayed.



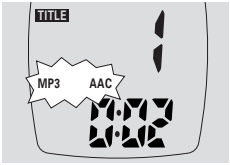
5 To remove the disc, hold it by its edge and press the hub gently while lifting the disc.

Note: After pressing ▶II *it may take some time until the first MP3 or AAC track is played.*

Basic functions

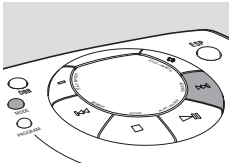
Playing Enhanced Music CDs and Mixed Mode CDs

On Enhanced Music CDs and Mixed Mode CDs there are audio CD tracks as well as computer data (e. g. text files, pictures, MP3 files,…).



1 Insert the disc and press ▶II to start playback.
➜ Cd rEAd is displayed. Playback starts.
All audio CD tracks will be played.

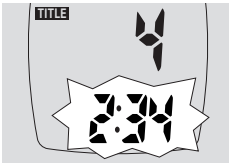
2 If there are MP3 and AAC files on the disc, **MP3** or **AAC** is blinking. Keep MODE pressed for 2 seconds to select MP3 and AAC playback.
➜ Cd rEAd is displayed. Playback starts with the first track of the first album.
All MP3 and AAC tracks will be played.



3 To return to audio CD playback, keep MODE pressed for 2 seconds.

Note: To protect your headphones and your Hi-Fi system from damage, you will hear no sound when a computer (data) file is played. Press ▶▶I to skip to the next track.

Pause



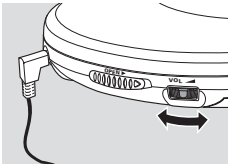
1 Press ▶II to interrupt playback.
➜ The time where playback was interrupted will blink.

2 To resume playback press ▶II again.

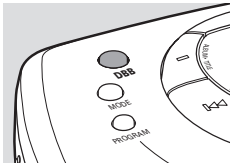
Volume and sound

Volume adjustment

- Adjust the volume by using VOL ◢.



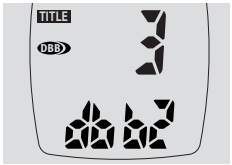
Sound adjustment



1 Press DBB for a moderate bass enhancement.
→ DBB is shown and dbb 1 is displayed.

2 Press DBB again for a strong bass enhancement.
→ DBB is shown and dbb2 is displayed.

3 Press DBB again to switch the bass enhancement off.
→ DBB disappears.

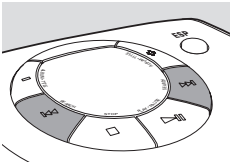


Basic functions

Selecting and searching (on all discs)

Selecting a track during playback

- Briefly press ⏮ or ⏭ once or several times to skip to the beginning of the current, previous or subsequent track.
  ➜ Playback continues with the selected track.



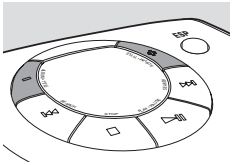
Searching for a passage during playback

1 Keep ⏮ or ⏭ pressed to find a particular passage in backward or forward direction.
➜ Searching is started and playback continues at a low volume. After 2 seconds the search speeds up.

2 Release the button at the desired passage.
➜ Normal playback continues.

Note: During **REPEAT**, **SHUFFLE**, **SHUFFLE ALL**, **MP3**, **AAC** *or while playing a programme, searching is only possible within the current track.*

Selecting an album (on MP3-CDs only)



Selecting an album during playback

- Briefly press – or + once or several times to skip to the first track of the current, previous or subsequent album.
  ➜ The first track of the selected album is played.

Selecting a track during playback

1 Keep – or + pressed to skip quickly to previous or subsequent MP3 or AAC tracks.
➜ Skipping starts and speeds up after 2 seconds.

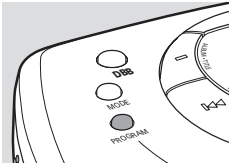
2 Release the button at the desired track.
➜ Playback continues with the selected track.

Note: To skip from track to track at low speed, use ⏮ or ⏭.

Features

Programming track numbers

You can select up to 50 tracks and store them in the memory in a desired sequence. You can store any track more than once.



1 Select a track with ⏮ or ⏭.

2 Press PROGRAM to store the track.
→ **PROGRAM** is shown and P with the number of stored tracks is displayed.

3 Select and store all desired tracks in this way.

4 If necessary press ■ to stop normal playback. Press ▶II to start playback of the programme.
→ Playback of the programme starts.

- To add additional tracks to your programme, press ■ to stop playing the programme and continue with step 1.
- You can review the programme by pressing PROGRAM for more than 3 seconds.
→ All stored tracks are displayed in sequence.

Clearing the programme

1 If necessary press ■ to stop playback.

2 Press ■ to clear the programme.
→ CLr is displayed, **PROGRAM** disappears and the programme is cleared.

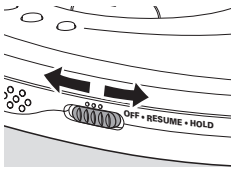
Notes:

The programme will also be cleared if you interrupt the power supply or open the CD lid or if the set switches off automatically.

After storing 50 tracks, FULL is displayed.

Storing the last position played – RESUME

You can store the last position played. When restarting, playback continues from where you have stopped.

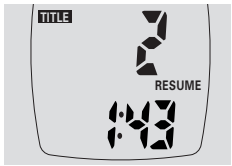


1 Switch the slider to RESUME during playback to activate RESUME.
➜ **RESUME** is shown.

2 Press ■ whenever you want to stop playback.

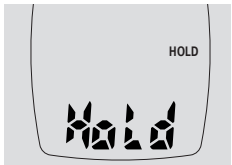
3 Press ▶II to resume playback.
➜ Playback continues from where you have stopped.

o To deactivate RESUME, switch the slider to OFF.
➜ **RESUME** disappears.



Locking all buttons – HOLD

You can lock all buttons of the set. When you press any key, no action will be executed then.



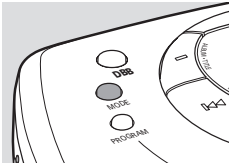
● Switch the slider to HOLD to activate HOLD.
➜ **HOLD** is shown and all buttons are locked. When pressing any key, *Hold* is displayed.

o To deactivate HOLD, switch the slider to OFF.
➜ **HOLD** disappears.

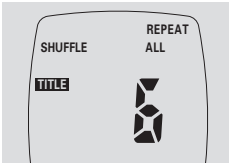
Selecting different playback possibilities – MODE

It is possible to play tracks in random order or to repeat a track, an album or the entire disc.

1 Press MODE repeatedly during playback to select either:



- **SHUFFLE** (with MP3-CDs only): All tracks of the current album are played in random order until all of them have been played once.
- **SHUFFLE ALL**: All tracks of the disc are played in random order until all of them have been played once.
- **SHUFFLE REPEAT** (with MP3-CDs only): All tracks of the current album are played repeatedly in random order.
- **SHUFFLE REPEAT ALL**: All tracks of the disc are played repeatedly in random order.



- **REPEAT**:
  Audio disc: The current track is played repeatedly.
  MP3-CD: The current album is played repeatedly.
- **REPEAT ALL**: The entire disc is played repeatedly.

When playing a programme, you can select either:

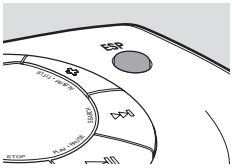
- **SHUFFLE PROGRAM**: All tracks of the programme are played in random order until all of them have been played once.
- **SHUFFLE REPEAT PROGRAM**: All tracks of the programme are played repeatedly in random order.
- **REPEAT PROGRAM**: All tracks of the programme are played repeatedly.

2 Playback starts in the chosen mode after 2 seconds.

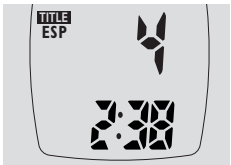
3 To return to normal playback, press MODE repeatedly until the display indication disappears.

ESP – Electronic Skip Protection

With a conventional portable disc player the music may stop while you are jogging, for example. The **E**lectronic **S**kip **P**rotection protects this set against loss of sound caused by light vibrations or shocks. Continuous playback is ensured. **ESP does not protect the set against damage caused by dropping!**



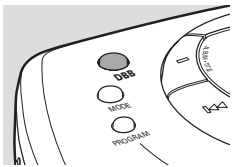
- Press ESP during playback to activate the skip protection.
  ➜ **ESP** is shown and the protection is activated.



o To deactivate the skip protection, press ESP again.
  ➜ **ESP** disappears and the protection is deactivated.

Acoustic feedback

An acoustic signal accompanies various key operations.



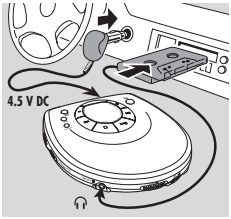
- Keep DBB pressed for more than 2 seconds.
  If the acoustic feedback has been deactivated:
  ➜ bEEP is displayed and the acoustic feedback is activated.
  If the acoustic feedback has been activated:
  ➜ no bEEP is displayed and the acoustic feedback is deactivated.

Accessories

English

In-car connections (supplied or optionally available)

Only use the AY 3545 car voltage converter (4.5 V DC, positive pole to the centre pin) and the AY 3501 car adapter cassette. Any other product may damage the set.



1 Put the set on a horizontal, vibration-free and stable surface. Make sure it is in a safe place, where the set is neither a danger nor an obstacle to the driver and the passengers.

2 Connect the DC plug of the voltage converter to 4.5V DC on the set **(only for a 12 V car battery, negative grounding)**.

3 Insert the voltage converter into the cigarette lighter socket. If necessary, clean the cigarette lighter socket to obtain a good electrical contact.

4 Turn down the volume and connect the adapter cassette plug to LINE OUT/🎧 on the set.

5 Carefully insert the adapter cassette into the car radio's cassette compartment.

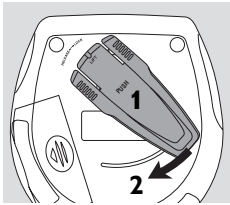
6 Make sure the cord does not hinder your driving.

7 Set VOL ◢ on the set to position 8. Start playback on the set and adjust the sound with the car radio controls.

Always remove the voltage converter from the cigarette lighter socket when the set is not in use.

Note: If your car radio has a LINE IN *socket, it is better to use it for the car radio connection instead of the adapter cassette. Connect the signal lead to this* LINE IN *socket and to* LINE OUT/🎧 *on the set.*

Belt clip



1 Align the belt clip as indicated in the illustration and press on PUSH to insert the shaped pin of the clip into the hole in the set.

2 Turn the clip clockwise as indicated to lock the belt clip to the set.

3 To detach, gently lift the belt clip at the indicated end and turn it counter-clockwise.

Troubleshooting

WARNING

Under no circumstances should you try to repair the set yourself as this will invalidate the guarantee.

If a fault occurs, first check the points listed, before taking the set for repair. If you are unable to solve a problem by following these hints, consult your dealer or service centre.

Problem	Solution
No power, playback does not start	– Insert the batteries correctly. – Replace the batteries. – Connect the mains adapter securely.
HOLD **indication and/or no reaction to controls**	– Deactivate HOLD. – Disconnect the set from the power supply or take out the batteries for a few seconds.
No sound or bad sound quality	– Press ▶II to resume playback. – Adjust the volume. – The track is a data file. Press ▶▶I to skip to the next audio CD track. – Check and clean the connections. – Keep this set away from active mobile phones or strong magnetic fields.
no cd **indication**	– Insert a disc, label upwards. – Clean or replace the disc. – Wait until the steamed up lens has cleared.

Problem	Solution
nF dISC **indication**	– Make sure the inserted CDR(W) is finalized.
dATA **indication**	– Make sure you have inserted an audio disc or an MP3-CD.
Prot **indication and music file is not played**	– The music file is protected. Make sure the protection option in your encoder software is deactivated when creating a music file.
Music file is not played	– Make sure the music file names end with .mp3 or .aac
Missing directories on MP3-CD	– Make sure the total number of files and albums on your MP3-CD does not exceed 350. – Only albums with MP3 or AAC files are shown.
The disc skips tracks	– Clean or replace the disc. – Make sure **REPEAT**, **REPEAT ALL**, **SHUFFLE**, **SHUFFLE ALL** or **PROGRAM** is switched off.
Music is skipped or popping sound when playing an MP3 or AAC file	– Play the music file on your computer. If the problem persists, encode the audio track again and make a new CD-ROM.

Troubleshooting

Problem	Solution
Music is interrupted and *OOPS* indication	– Switch ESP on.
In-car use: No power, playback does not start	– Clean the cigarette lighter socket. – Switch on the ignition of your car.
In-car use: No sound or bad sound quality	– Insert the adapter cassette correctly. – Change the autoreverse direction of your car cassette player. – Let the set adjust to the temperature in the car.